

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number
WO 2004/030968 A1

(51) International Patent Classification⁷:
B60K 1/04, B60L 11/18

(72) Inventor; and

(75) Inventor/Applicant (for US only): MIZUNO, Minobu
[JP/JP]; c/o TOYOTA JIDOSHA KABUSHIKI KAISHA,
1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP).

(21) International Application Number:
PCT/IB2003/004338

(22) International Filing Date: 2 October 2003 (02.10.2003)

(81) Designated States (national): CN, KR, US.

(25) Filing Language: English

(84) Designated States (regional): European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(26) Publication Language: English

(30) Priority Data:
2002-290950 3 October 2002 (03.10.2002) JP

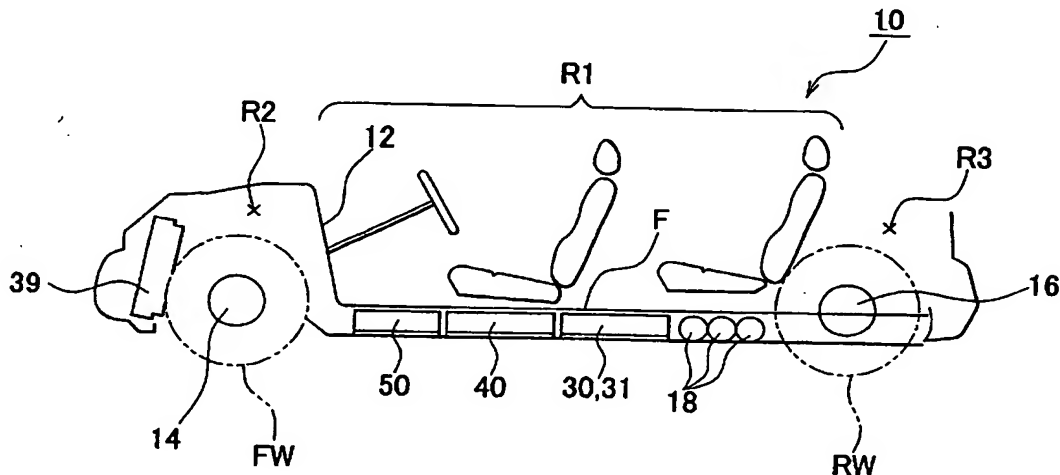
Published:

— with international search report

(71) Applicant (for all designated States except US): TOY-
OTA JIDOSHA KABUSHIKI KAISHA [JP/JP]; 1, Toy-
ota-cho, Toyota-shi, Aichi-ken 471-8571 (JP).

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: FUEL CELL EQUIPPED VEHICLE



(57) Abstract: In a fuel cell equipped vehicle (10), hydrogen cylinders (18) storing hydrogen gas to be supplied to a fuel cell battery (30), a fuel cell (30), fuel cell accessories (31), a storage battery (40), and a PCU (50) that controls the supply of electric power from the fuel cell (30) and the storage battery (40) to a front wheels-driving electric motor (14) and a rear wheels-driving electric motor (16) are arranged in that order under a floor of a passenger compartment (R1). Therefore, these major component devices do not reduce the spaces of a passenger compartment (R1), a forward compartment (R2), and a rearward compartment (R3). Since the component devices disposed under the floor of the passenger compartment (R1) have relatively great weights, the center of gravity of the vehicle comes to a low position in a central portion of the vehicle, thus achieving good running stability of the vehicle.

WO 2004/030968 A1